



# 642-427<sup>Q&As</sup>

Troubleshooting Cisco Unified Communications v8.0 (TVOICE v8.0)

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### QUESTION 1

Cisco IP Phones are being installed on several different IP subnets in a new Cisco Unified Communications Manager installation. Phones are not registering to Cisco Unified CM. Which three DHCP options must be set properly in each subnet for all phones to register to Cisco Unified Communications Manager? (Choose three.)

- A. IP address and subnet mask
- B. DNS server
- C. option 150
- D. default gateway
- E. WINS server

Correct Answer: ACD

### QUESTION 2

Refer to the exhibits.



The HG\_MRG that is shown in the exhibit is assigned to an MRGL, which is configured at the HQ phones. A call exists between two HQ phones that use G.711 codec. When one of the HQ users attempts to conference a BR phone across the



WAN, the conference fails.

The SDI trace shows an error "No transcoder device configured."

Which statement indicates the correct resolution or reason for the issue?



Bridge Status

Conference Bridges (1 - 2 of 2)

Find Conference Bridges where Name begins with Find Clear Filter

| Conference Bridge Name | Description     | Device Pool | Status          |
|------------------------|-----------------|-------------|-----------------|
| CFB_2                  | CFB_CUCM801Pub1 | Default     | Registered with |
| HQ_Conf                | HQ_Conf         | Default     | Registered with |

Find Clear Filter

| Description     | Device Pool | Status                    | IP Address |
|-----------------|-------------|---------------------------|------------|
| CFB_CUCM801Pub1 | Default     | Registered with 10.1.5.10 | 10.1.5.10  |
| HQ_Conf         | Default     | Registered with 10.1.5.10 | 10.1.110.1 |

```
IOS Config
!
sccp local GigabitEthernet0/0.110
sccp ccm 10.1.5.10 identifier 1 version 7.0
sccp
!
sccp ccm group 1
associate ccm 1 priority 1
associate profile 1 register HQ_Conf
!
dspfarm profile 1 conference
codec g711ulaw
codec g711alaw
codec g729ar8
codec g729abr8
codec g729r8
codec g729br8
maximum sessions 5
associate application SCCP
!
```

MRG

Media Resource Group Information

Name\* MRG\_HQ

Description

---

Devices for this Group

Available Media Resources\*\*

- ANN\_2
- HQ\_MTP
- HQ\_SIP\_MTP
- MOH\_2[Multicast]
- MTP\_2

Selected Media Resources\*

- CFB\_2 (CFB)
- HQ\_Conf (CFB)

Use Multi-cast for MOH Audio (If at least one multi-cast MOH resource is available)





D:\job\TestKing\Cisco\642-427\HYPERLINK

```
CCM Trace
0,56,1.13786*10.1.5.11**
06:20:55.359 |MediaManager(337)::allocateProxies, j=1 XferMode(8 0) CI(18151495 0) mrid(0 0) resrcCI(0 18151496)[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MediaManager(337)::allocateProxies, allocating resources(1), additional res(0)[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MediaResourceManager::waiting_MrmAllocateXcoderResourceReq - CI=18151496, Count=1[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MRM::convertScmStringToStdString MRG_HQ[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MRM::getXcodeDeviceGivenMrgl[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MRM::getXcodeDeviceGivenMrgl GETTING XCODE FROM DEFAULT LIST[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MediaResourceManager::sendAllocationResourceErr - ERROR - no transcoder device configured[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |GenAlarm: AlarmName = MediaResourceListExhausted, subFac = CALLMANAGERKeyParam = , severity = 4, AlarmMsg = MediaResourceList
MediaResourceType : 2
AppID : Cisco CallManager
ClusterID : CID10.1.5.10
NodeID : CUCM801Pub1
*****
06:20:55.359 |GenAlarm: Push_back offset 69 seq 69j*****
06:20:55.359 |MediaManager(337)::wait_AllocateMtpResourceErr, resCI=18151496, numRes=1, numPreRes=0[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MediaManager(337)::reAdjustConnectionList, CbXcoderMrglFC2833=0[1,100,56,1.13786*10.1.5.11**
06:20:55.359 |MediaManager(337)::wait_AllocateMtpResourceErr, reAdjustConnList=0, numRsrcRes=1, sizeRsrcList=1, failCall=1 resAllocationFailCode=0
0.1.5.11**
06:20:55.360 |MediaManager(337)::cleanup, send AuUpdateDisconnectStatus, reconnectType=0, sendErrIndToParent=0, failCall=1[1,100,56,1.13786*10.1.
06:20:55.360 |MediaManager(337) - cleanupNewlyAllocatedResources: resourceCI(18151496), deallocated(1), MRM(1,1)[1,100,56,1.13786*10.1.5.11**
06:20:55.360 |MediaManager(337)::disconnOnResourceAllocationFailure, ERROR - disconnOnResourceAllocationFailure - fails to allocate MTPXCoder,conn
```

- A. The BR phone does not have access to the HO\_Conf bridge
- B. The BR phone does not have access to the CFB\_2 bridge
- C. The BR phone does not have access to a transcoder
- D. The CFB\_2 bridge should be removed from the HQ\_MRG and assigned to an MRG that is not assigned to an MRGL
- E. The CFB\_2 bridge should be listed last in the HO\_MRG

Correct Answer: E

### QUESTION 3

LSC validation is failing on a new SCCP IP phone you have just added to the Cisco Unified CallManager 5.0 cluster. No other IP phones are experiencing any problems with LSC validation. What can you do to help pinpoint the problem?

- A. View the SDI trace output.
- B. Check for security alarms.
- C. Use the security configuration menu on the IP phone to verify that an LSC has been downloaded to the IP phone.



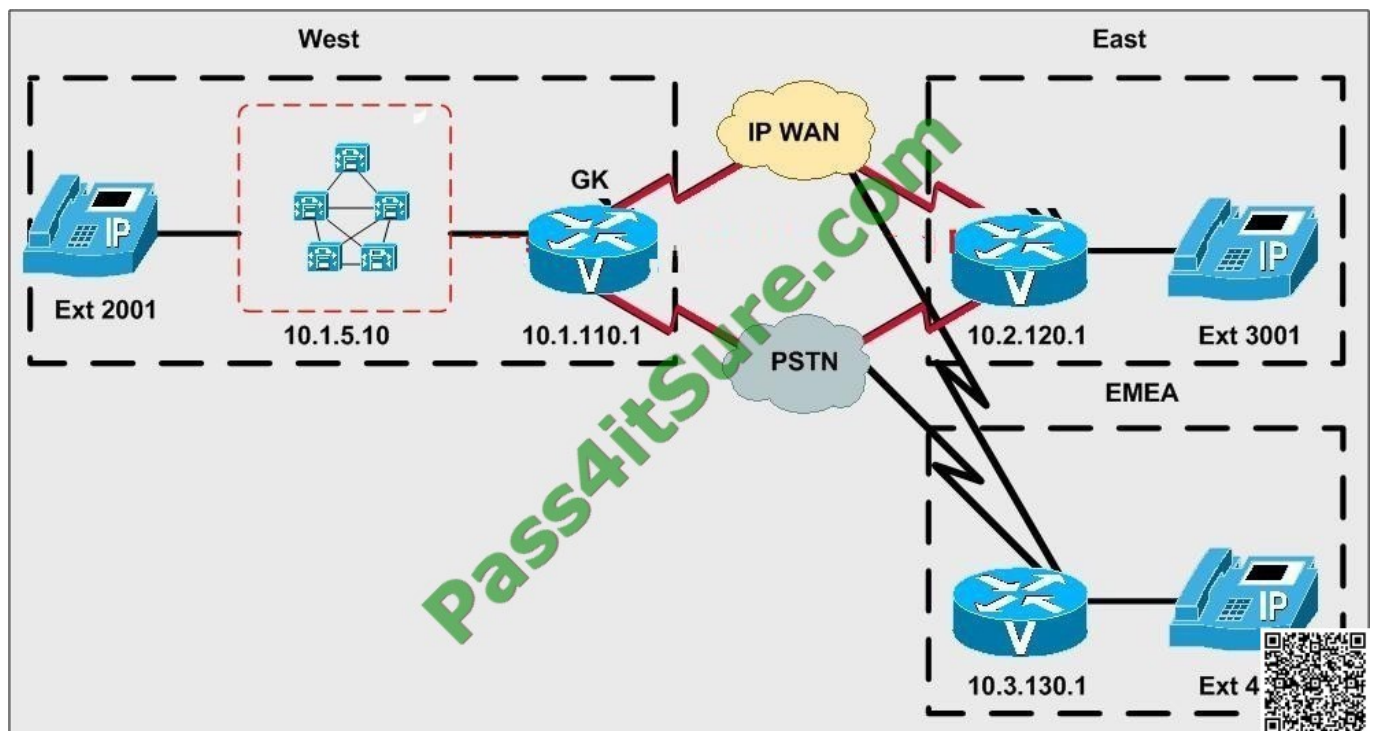
D. Verify that the authentication string is correct in the Cisco Unified CallManager device configuration screen.

Correct Answer: C

#### QUESTION 4

The following statements describe the icons\\' functions displayed in the exhibit. The GK icon can be clicked to view the output of the show gatekeeper endpoint command. The CallManager cluster can be clicked to see the trunk configuration screens. The X of each popup can be clicked to return to the item.

In order to support three local zones West, East and EMEA, the 10.1.110.1 router is configured with a gatekeeper. After issuing the show gatekeeper endpoints command, you find that the West zone device is lost. Please choose the proper measure that should be taken to the configuration in the CallManager for it to register with the gatekeeper of the zone West.



- A. Restart the callmanger so it can register with the gatekeeper
- B. Change the Device Name to be the IP address of the gatekeeper in the CallManager Trunk Configuration page
- C. Set the Terminal Type to terminal in the Gatekeeper Information field of the Trunk Configuration
- D. Configure a zone name on the CallManager trunk

Correct Answer: D

**QUESTION 5**

Refer to the exhibit.

```
dial-peer voice 1 voip
destination-pattern 555....
session target ipv4:1.1.1.1
```

When 5551234 is being matched with the outgoing dial peer that is shown in the exhibit, which of the following called numbers will be sent to the VoIP network?

- A. 5551234
- B. 1234
- C. 555
- D. Null
- E. 5
- F. 51234

Correct Answer: A



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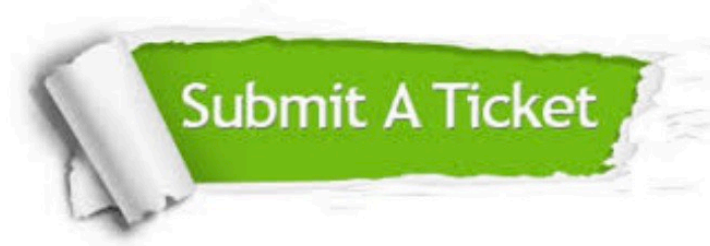
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